

**CLAIMS**

1. A conjugated compound comprising:

- a) a ST receptor binding moiety; and,
- b) an active moiety;

5 wherein said active moiety is a radiostable active agent.

2. The compound of claim 1 wherein said ST receptor binding moiety is a peptide.

3. The compound of claim 1 wherein said ST receptor binding moiety is selected from the group consisting of: SEQ ID NO:2, SEQ ID NO:3, SEQ ID NOS:5-56 and fragments and derivatives thereof.

4. The compound of claim 1 wherein said ST receptor binding moiety is selected from the group consisting of: SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:6 and SEQ ID NO:54.

15 5. The compound of claim 1 wherein said an active moiety is a therapeutic agent.

6. The compound of claim 1 wherein said an active moiety is selected from the group consisting of: methotrexate, doxorubicin, daunorubicin, cytosinarabinoside, etoposide, 5-4 fluorouracil, melphalan, chlorambucil, cis-platinum, vindesine, 20 mitomycin, bleomycin, purothionin, macromomycin, 1,4-benzoquinone derivatives, treimon, ricin, ricin A chain, *Pseudomonas exotoxin*, diphtheria toxin, *Clostridium perfringens* phospholipase C, bovine pancreatic ribonuclease, pokeweed 25 antiviral protein, abrin, abrin A chain, cobra venom factor, gelonin, saporin, modeccin, viscumin, volkensin, alkaline phosphatase, nitroimidazole, metronidazole and misonidazole.

7. The compound of claim 1 wherein:

- a) said ST receptor binding moiety is selected from the group consisting of: SEQ ID NO:2, SEQ ID NO:3, SEQ ID NOS:5-56 and fragments and derivatives thereof;

b) said an active moiety is selected from the group consisting of: methotrexate, doxorubicin, daunorubicin, cytosinarabinoside, etoposide, 5-4 fluorouracil, melphalan, chlorambucil, *cis*-platinum, vindesine, mitomycin, bleomycin, 5 purothionin, macromomycin, 1,4-benzoquinone derivatives, trenimon, ricin, ricin A chain, *Pseudomonas* exotoxin, diphtheria toxin, *Clostridium perfringens* phospholipase C, bovine pancreatic ribonuclease, pokeweed antiviral protein, abrin, abrin A chain, cobra venom factor, gelonin, saporin, 10 modeccin, viscumin, volkensin, alkaline phosphatase, nitroimidazole, metronidazole and misonidazole.

8. The compound of claim 1 wherein said an active moiety is selected from the group consisting of: methotrexate, doxorubicin, daunorubicin, cytosinarabinoside, *cis*-platin, 15 vindesine, mitomycin and bleomycin, alkaline phosphatase, ricin A chain, *Pseudomonas* exotoxin and diphtheria toxin.

9. The compound of claim 1 wherein:

a) said ST receptor binding moiety is selected from the group consisting of: SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:5, 20 SEQ ID NO:6 and SEQ ID NO:54; and

b) said an active moiety is selected from the group consisting of: methotrexate, doxorubicin, daunorubicin, cytosinarabinoside, *cis*-platin, vindesine, mitomycin and bleomycin, alkaline phosphatase, ricin A chain, *Pseudomonas* 25 exotoxin and diphtheria toxin.

10. A pharmaceutical composition comprising:

a) a pharmaceutically acceptable carrier or diluent, and,

b) a conjugated compound according to claim 1.

30 11. A method of treating an individual suspected of suffering from metastasized colorectal cancer comprising the steps of administering to said individual a pharmaceutical composition according to claim 10.

12. A pharmaceutical composition comprising:

a) a pharmaceutically acceptable carrier or diluent, and,

b) conjugated compound comprising:

5 i) a ST receptor binding moiety; and,  
ii) an active moiety;

wherein said active moiety is a radioactive agent and said conjugated compound is present in an amount effective for therapeutic or diagnostic use in a humans suffering from  
10 colorectal cancer.

13. The pharmaceutical composition of claim 12 wherein said active moiety is selected from the group consisting of:

<sup>47</sup>Sc, <sup>67</sup>Cu, <sup>90</sup>Y, <sup>109</sup>Pd, <sup>123</sup>I, <sup>125</sup>I, <sup>131</sup>I, <sup>186</sup>Re, <sup>188</sup>Re, <sup>199</sup>Au, <sup>211</sup>At, <sup>212</sup>Pb,  
<sup>212</sup>B, <sup>32</sup>P and <sup>33</sup>P, <sup>71</sup>Ge, <sup>77</sup>As, <sup>103</sup>Pb, <sup>105</sup>Rh, <sup>111</sup>Ag, <sup>119</sup>Sb, <sup>121</sup>Sn, <sup>131</sup>Cs,  
15 <sup>143</sup>Pr, <sup>161</sup>Tb, <sup>177</sup>Lu, <sup>191</sup>Os, <sup>193M</sup>Pt and <sup>197</sup>Hg.

14. The pharmaceutical composition of claim 12 wherein said active moiety is selected from the group consisting of:

<sup>43</sup>K, <sup>52</sup>Fe, <sup>57</sup>Co, <sup>67</sup>Cu, <sup>68</sup>Ga, <sup>77</sup>Br, <sup>81</sup>Rb/<sup>81M</sup>Kr, <sup>87M</sup>Sr, <sup>99M</sup>Tc, <sup>111</sup>In,  
<sup>113M</sup>In, <sup>123</sup>I, <sup>125</sup>I, <sup>127</sup>Cs, <sup>129</sup>Cs, <sup>131</sup>I, <sup>132</sup>I, <sup>197</sup>Hg, <sup>203</sup>Pb and <sup>206</sup>Bi.

20 15. The pharmaceutical composition of claim 12 wherein said ST receptor binding moiety is a peptide.

16. The pharmaceutical composition of claim 12 wherein said ST receptor binding moiety is selected from the group consisting of: SEQ ID NO:2, SEQ ID NO:3, SEQ ID NOS:5-56 and  
25 fragments and derivatives thereof.

17. The pharmaceutical composition of claim 12 wherein said ST receptor binding moiety is selected from the group consisting of: SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:6 and SEQ ID NO:54.

30 18. The pharmaceutical composition of claim 12 wherein

said ST receptor binding moiety is selected from the group consisting of SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:6 and SEQ ID NO:54; and

said active moiety is selected from the group  
5 consisting of  $^{47}\text{Sc}$ ,  $^{67}\text{Cu}$ ,  $^{90}\text{Y}$ ,  $^{109}\text{Pd}$ ,  $^{123}\text{I}$ ,  $^{125}\text{I}$ ,  $^{131}\text{I}$ ,  $^{186}\text{Re}$ ,  $^{188}\text{Re}$ ,  
 $^{199}\text{Au}$ ,  $^{211}\text{At}$ ,  $^{212}\text{Pb}$ ,  $^{212}\text{B}$ ,  $^{32}\text{P}$  and  $^{33}\text{P}$ ,  $^{71}\text{Ge}$ ,  $^{77}\text{As}$ ,  $^{103}\text{Pb}$ ,  $^{105}\text{Rh}$ ,  $^{111}\text{Ag}$ ,  
 $^{119}\text{Sb}$ ,  $^{121}\text{Sn}$ ,  $^{131}\text{Cs}$ ,  $^{143}\text{Pr}$ ,  $^{161}\text{Tb}$ ,  $^{177}\text{Lu}$ ,  $^{191}\text{Os}$ ,  $^{193}\text{Mpt}$  and  $^{197}\text{Hg}$ .

19. The pharmaceutical composition of claim 12 wherein  
said ST receptor binding moiety is selected from the  
10 group consisting of SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:5, SEQ  
ID NO:6 and SEQ ID NO:54; and

said active moiety is selected from the group  
consisting of  $^{43}\text{K}$ ,  $^{52}\text{Fe}$ ,  $^{57}\text{Co}$ ,  $^{67}\text{Cu}$ ,  $^{67}\text{Ga}$ ,  $^{68}\text{Ga}$ ,  $^{77}\text{Br}$ ,  $^{81}\text{Rb}/^{81\text{M}Kr}$ ,  
 $^{87\text{M}Sr}$ ,  $^{99\text{M}Tc}$ ,  $^{111}\text{In}$ ,  $^{113\text{M}In}$ ,  $^{123}\text{I}$ ,  $^{125}\text{I}$ ,  $^{127}\text{Cs}$ ,  $^{129}\text{Cs}$ ,  $^{131}\text{I}$ ,  $^{132}\text{I}$ ,  $^{197}\text{Hg}$ ,  
15  $^{203}\text{Pb}$  and  $^{206}\text{Bi}$ .

20. A method of radioimaging metastasized colorectal  
cancer cells comprising the steps of administering to an  
individual a pharmaceutical composition comprising:

- a) a pharmaceutically acceptable carrier or diluent,  
20 and,
- b) conjugated compound comprising:

- i) a ST receptor binding moiety; and,
- ii) an active moiety;

wherein said active moiety is a radioactive agent and said  
25 conjugated compound is present in an amount effective for  
diagnostic use in a humans suffering from colorectal cancer.

21. A method of treating an individual suspected of  
suffering from metastasized colorectal cancer comprising the  
steps of administering to said individual a pharmaceutical  
30 composition comprising:

- a) a pharmaceutically acceptable carrier or diluent,  
and,
- b) conjugated compound comprising:
  - i) a ST receptor binding moiety; and,

ii) an active moiety;  
wherein said active moiety is a radiostable agent or radioactive agent and said conjugated compound is present in an amount effective for therapeutic or diagnostic use in a humans  
5 suffering from colorectal cancer.

22. A method of delivery a nucleic acid molecule to intestinal tract cells of an individual comprising the steps of administering to said individual a pharmaceutical composition comprising:

10 a) a pharmaceutically acceptable carrier or diluent,  
and,  
b) a composition comprising:  
i) a ST receptor ligand; and,  
ii) a nucleic acid molecule.